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Title : An Assessment of 2-D Wall Interference from Pressure Measurements on the Airfoil and on the Control Surface.

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Abstract :

A code has been developed, based on the pressure measurements on the airfoil surface and the transonic liners, to assess the 2-D wall interference in the NAL 0.3m tunnel and validated against a test case. Corrections are evaluated for the 100mm and 150mm chord airfoils at a few typical Mach numbers and incidences and compared against the corresponding values by the CCB method which requires the C_p data on the liners only.